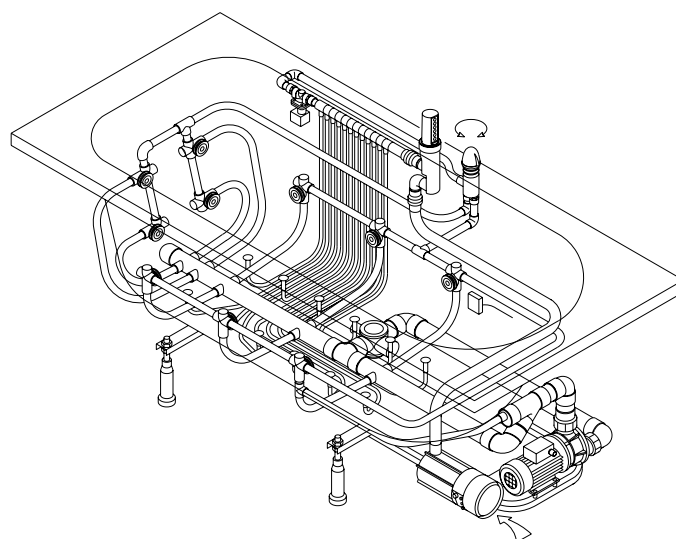


Whirlpool Systems

Whirlpool Serie 300
Whirlpool Serie 700



Whirlpool Moneva 300 L	21500000/21502000	Whirlpool Monola 700 L	21653000/21656000
Whirlpool Moneva 300 R	21509000/21511000	Whirlpool Monola 700 R	21662000/21664000
Whirlpool Iseo 320	21518000/21517000	Whirlpool Kalona 710	21666000/21667000
Whirlpool Victoria 325	21531000/21532000	Whirlpool Iseda 720	21680000/21682000
Whirlpool Teslin 330	21522000/21523000	Whirlpool Solero 740	21698000/21697000
Whirlpool Lugano 340	21524000/21525000	Whirlpool Imaza 750	21707000/21709000
Whirlpool Imandra 350	21527000/21529000	Whirlpool Ladiva 760	21716000/21718000
Whirlpool Imandra 355	21533000/21534000	Whirlpool Pareva 770	21725000/21727000
Whirlpool Ladoga 360	21536000/21538000	Whirlpool Almeda 780	21734000/21736000
Whirlpool Malawi 370	21540000/21541000	Whirlpool Magadi 790	21738000/21739000
Whirlpool Almonte 380	21545000/21547000		
Whirlpool Manitoba 390	21549000/21550000		

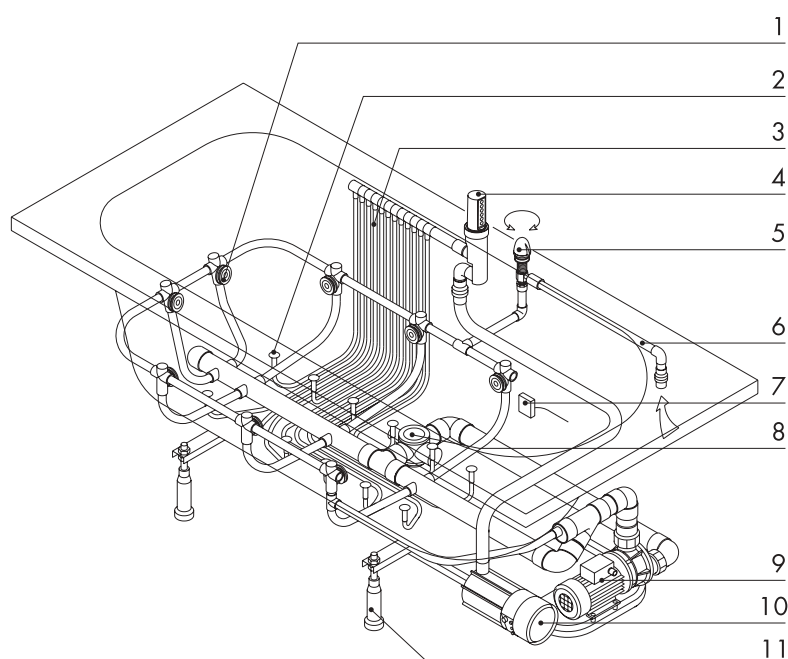
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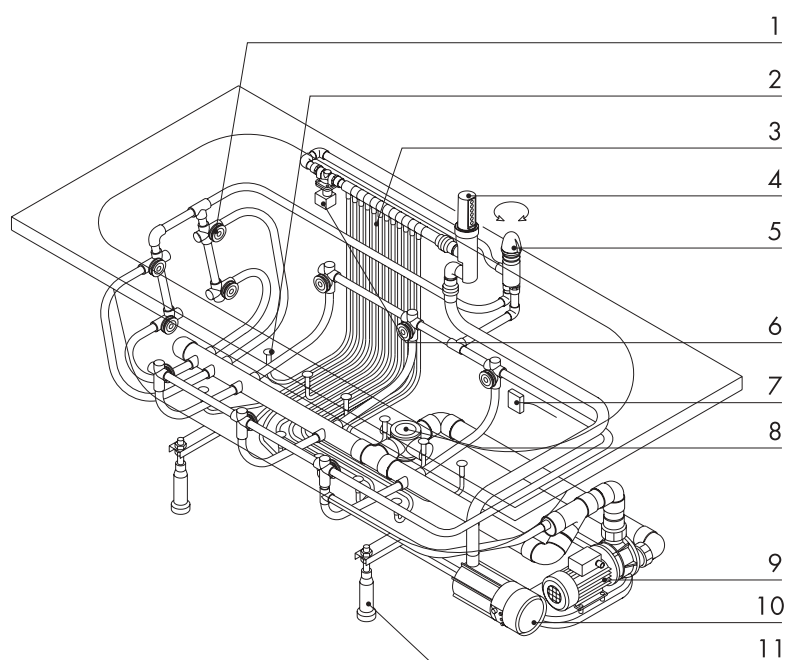
Included loose

- Pool control (housing)
- Siphon + flat seal
- Air control grip
- Hand shower
- 3-hole-armature grips (option)
- Secu-Box (Option)



Whirlpool Series 300

1. Water nozzle
2. Air nozzle
3. Air hoses
4. Pool control
5. Air control
6. Air supply
7. Water sensor
8. Drain and overflow set
9. Water pump
10. Air blower
11. Bath supporting frame and feet



Whirlpool Series 700

1. Water nozzle
2. Air nozzle
3. Air hoses
4. Pool control
5. MultiAirControl
6. Solenoid valve
7. Water sensor
8. Drain and overflow set
9. Water pump
10. Air blower
11. Bath supporting frame and feet

Installation Instructions

ATTENTION!

LIFTING: Always lift bath at support or bath rim.

Never use fitted hoses or installation parts to lift the bath.

INSPECTING:

Check whirlpool after receipt for damage. Contact your dealer immediately if you notice any damage. We do not assume liability for damage occurring during or after installation.

Read check points:

Thoroughly read Installation and Operating Instructions before starting installation.

Door width:

Observe door width in the room where the whirlpool is to be installed. Series 300 whirlpools have a maximum height of 685 mm, series 700 whirlpools have a maximum height of 810 mm.

Attention!

Do not lay any circuits under the bath.

Do not install circuits, pipes or other electroconductive materials in the area of the water level sensors.

Leakage:

Check the functions of the whirlpool when starting fitting/installation. Check the whirlpool for leakage. Immediately contact the dealer if defects are found.

Covering:

Thoroughly cover drain, jets, nozzles, controls etc. of the whirlpool, before starting installation. This should prevent damage or blocking caused by dirt or dust arising during fitting.

Electricity:

Check the voltage (230 V), fuse (16 A), FI switch and earthing cable (check second cable on models 780/790 with heating).

Water connection

Flush the water supply circuits according to local regulations. Ensure that the water circuit is near the service opening and remains connected. Two brackets with check valves DW 15 are supplied for the whirlpool connections to prevent water flowing back.

Bath installation:

1. When the bath is located at the desired position, use a spirit level to adjust the feet to the correct height.
2. Connect the drain to the on-site drain pipe.
3. Connect the whirlpool to the power supply. Observe local regulations.
4. Install the pool control on the bath rim.
5. Connect optional Hydro cleaning (solenoid valve) to the water supply (cold or warm water).
6. Fill the bath with water and then check the function and for leaks.
7. You can fit any skirting etc. after successful completion of the tests.

Make sure that no ammonia or other aggressive materials are applied to the installed parts when cleaning the tiles. Gold-coloured parts in particular are very vulnerable.

Ventilation grid (not in scope of delivery)

Installing a ventilation grid is mandatory. Position the ventilation grid in the whirlpool covering. The position is optional and can also be in a neighbouring room (see Figure at the top of Page 5).

Electric supply:

The electrical installation must only be performed by a qualified electrician, and it must be protected with a FI protective switch (30 mA) according to VDE 0100 (DIN IEC 60364).

Supply circuit 3x2.5 mm², 230 V, fuse 16 A (a second cable is required on models 780/790 with heating).

Filling the bath:

The bath can be filled after connecting the bath to the water supply and drain as well as completion of the electrical installation. Check again for leakage.

Checking functions via pool control:

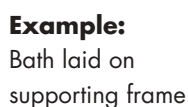
Certain parts, such as

- 1 Air system
- 2 Water pump
- 3 Water heating as an option
- 4 Underwater lighting as an option

Positions 2, 3 and 4 only run when the water level is approximately 5 cm above the top water nozzles.

Bath water:

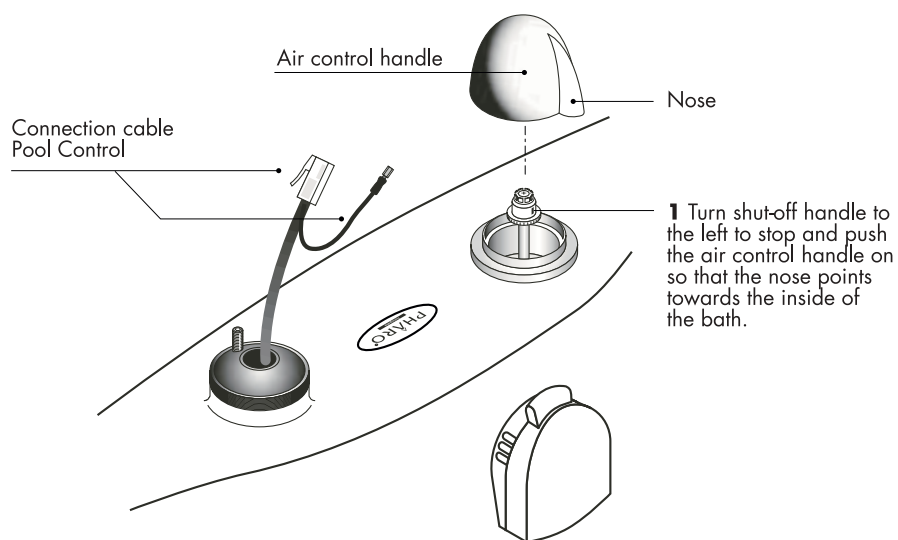
The bath water temperature should not be above 40 °C.



Position service hatches, at least 40 x 40 cm, near the motor and blower depending on the model. Position service hatches so that parts such as blowers, pumps, valves, connector boxes and other connections are always accessible and replaceable. Removable side panels are ideal (e.g. Mepa decorating system). The air grid for the blower air supply (150 cm²) can be installed in this service hatch. The service hatch can also be located in a neighbouring room. No liability will be accepted for any costs arising from non-observation of this information.

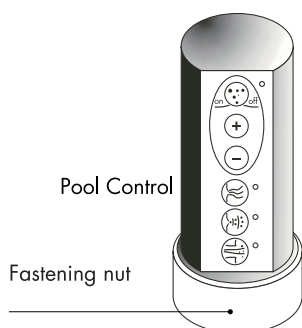
If there is not enough space for a service hatch, we recommend just „laying“ the bath on the supporting frame so that the complete bath can be removed if necessary. In this case, it must be possible to disconnect the drain connection, electrical connections and, if necessary, the water supply via the ventilation hatch.

Surface Set Air Control and Pool Control Installation (Whirlpool Series 300)



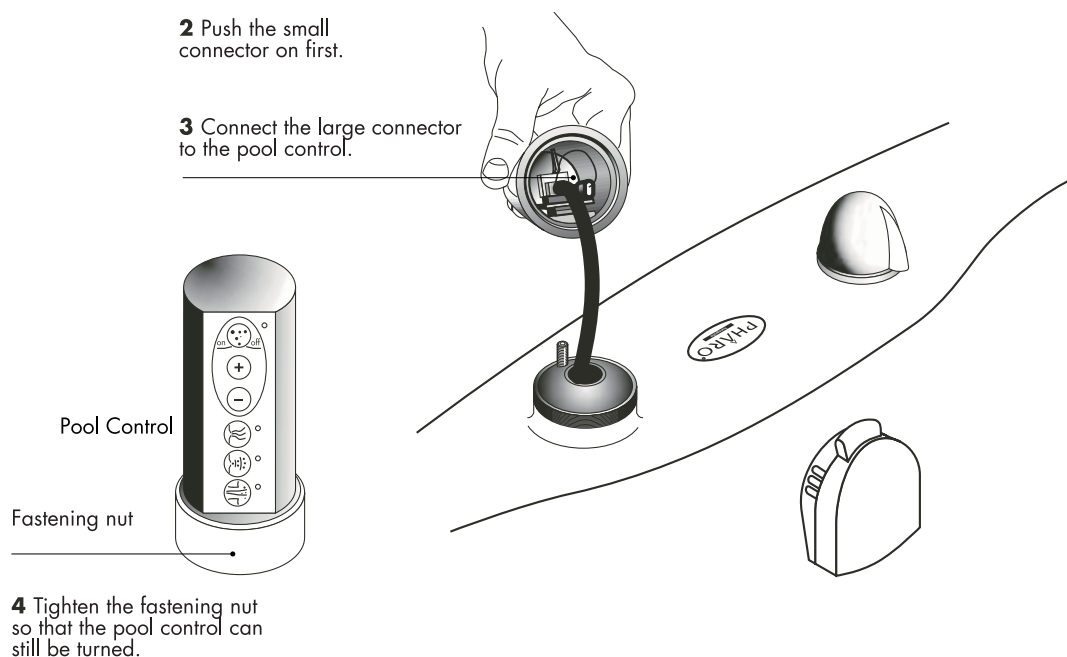
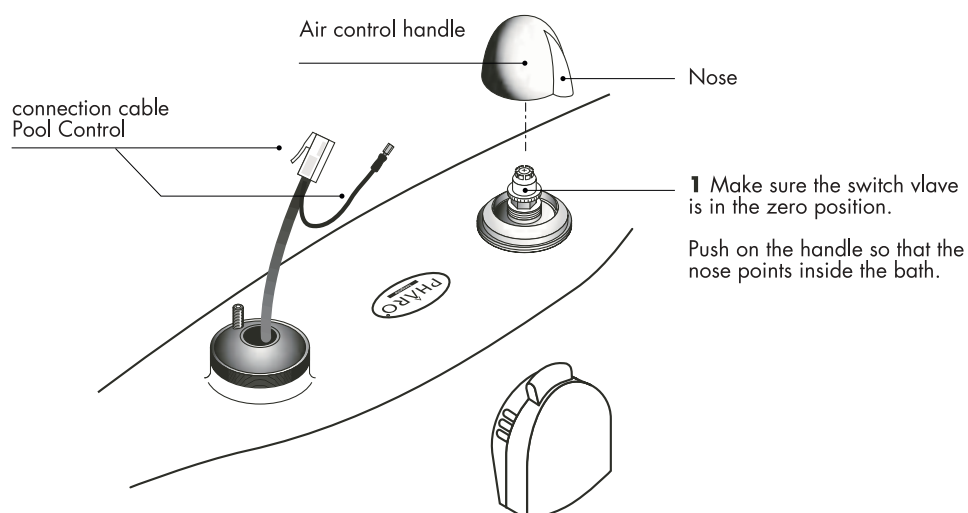
2 Push the small connector on first.

3 Connect the large connector to the pool control.

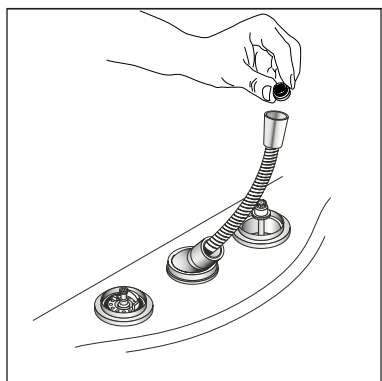


4 Tighten the fastening nut so that the pool control can still be turned.

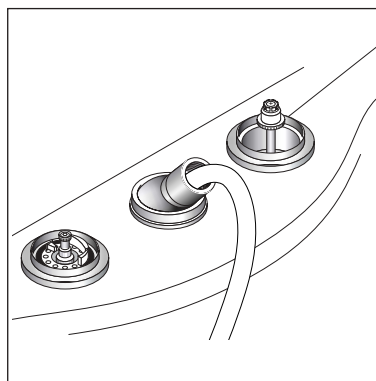
Surface Set Multi Air Control and Pool Control Installation (Whirlpool Series 700)



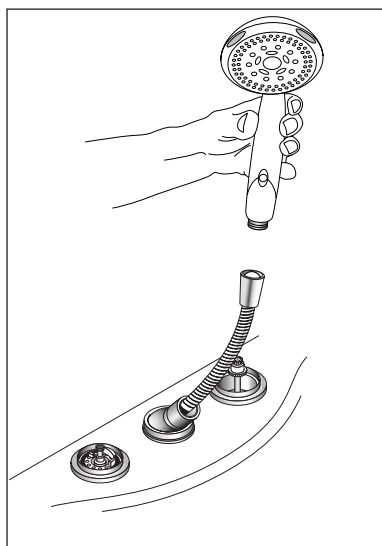
Surface Set Bath Rim Thermostat Installation (Option)



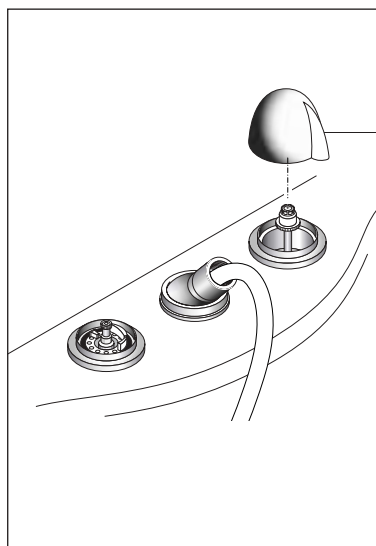
1 Insert shower hose sleeve seal in hand shower.



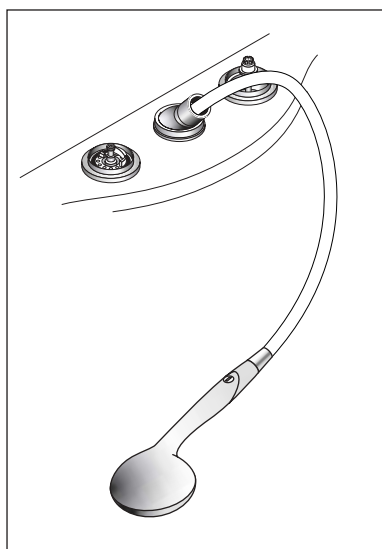
5 Shut-off/diverter valve:
Check if closed. If not, close it so that no more water flows.



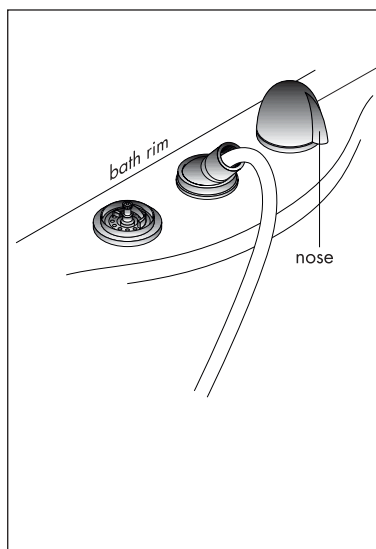
2 Connect shower hose to hand shower.



Fit for shut-off and diverter valve.



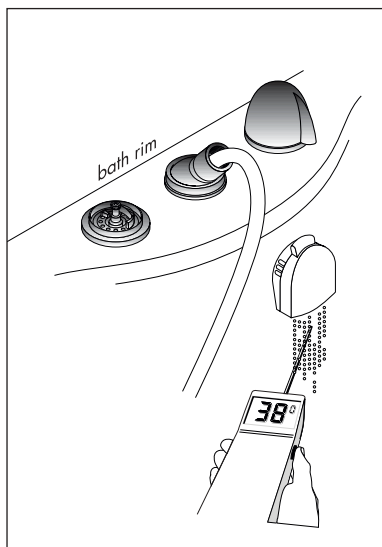
3 Lay hand shower in bath.



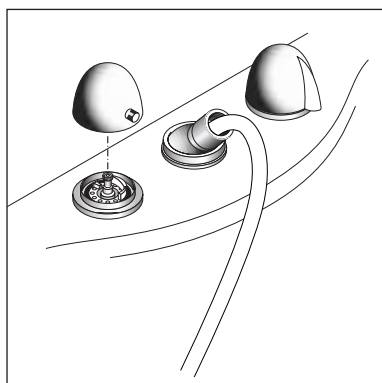
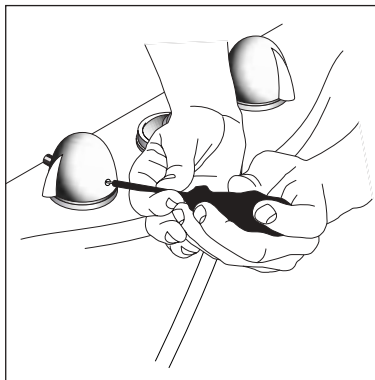
6 Push the snap-in fit on when closed so that the nose points to the middle of the bath.

4 Turn water on.

Surface Set Bath Rim Thermostat Installation (Option)

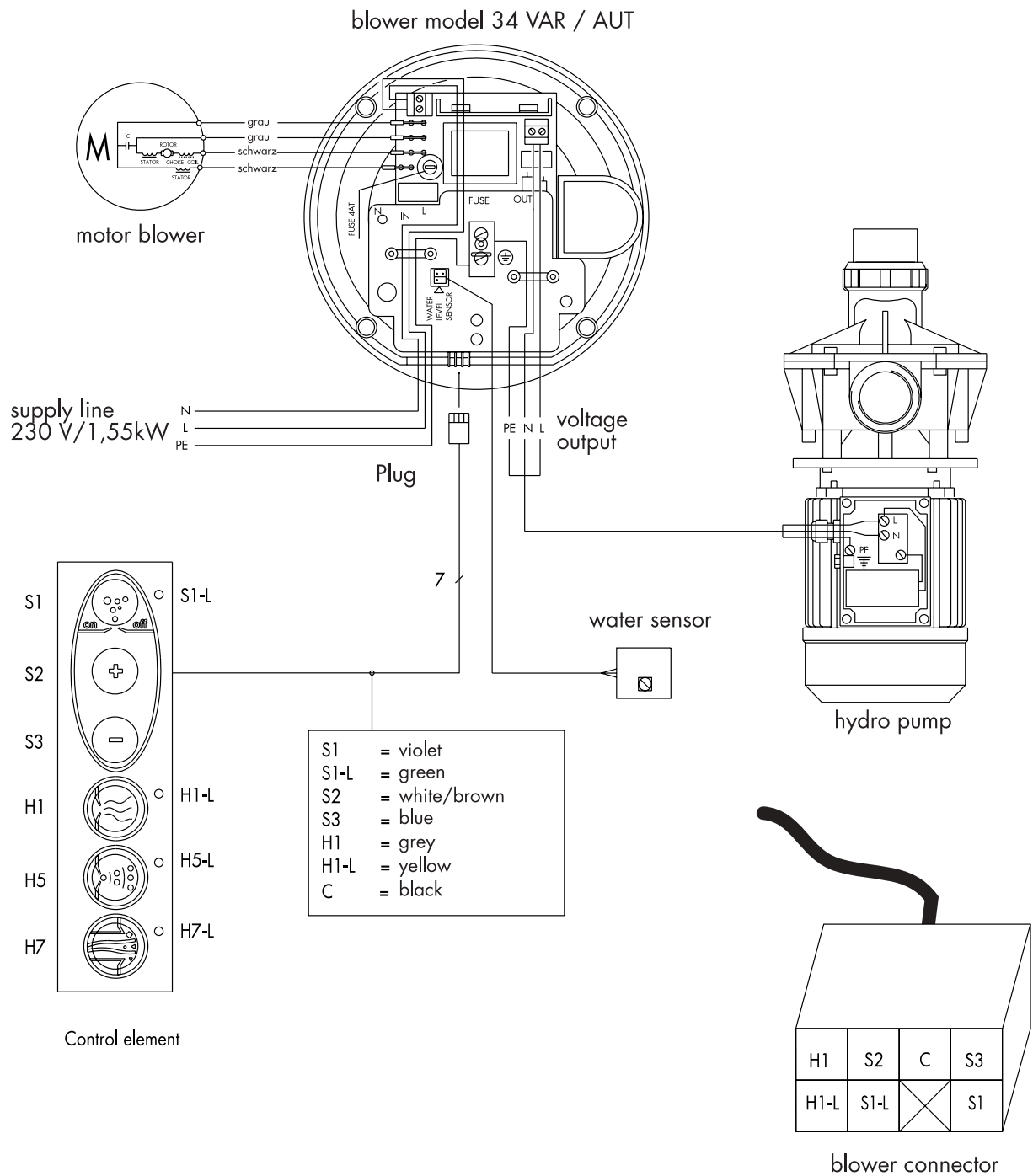


7 Fill via Exafill, adjust temperature.

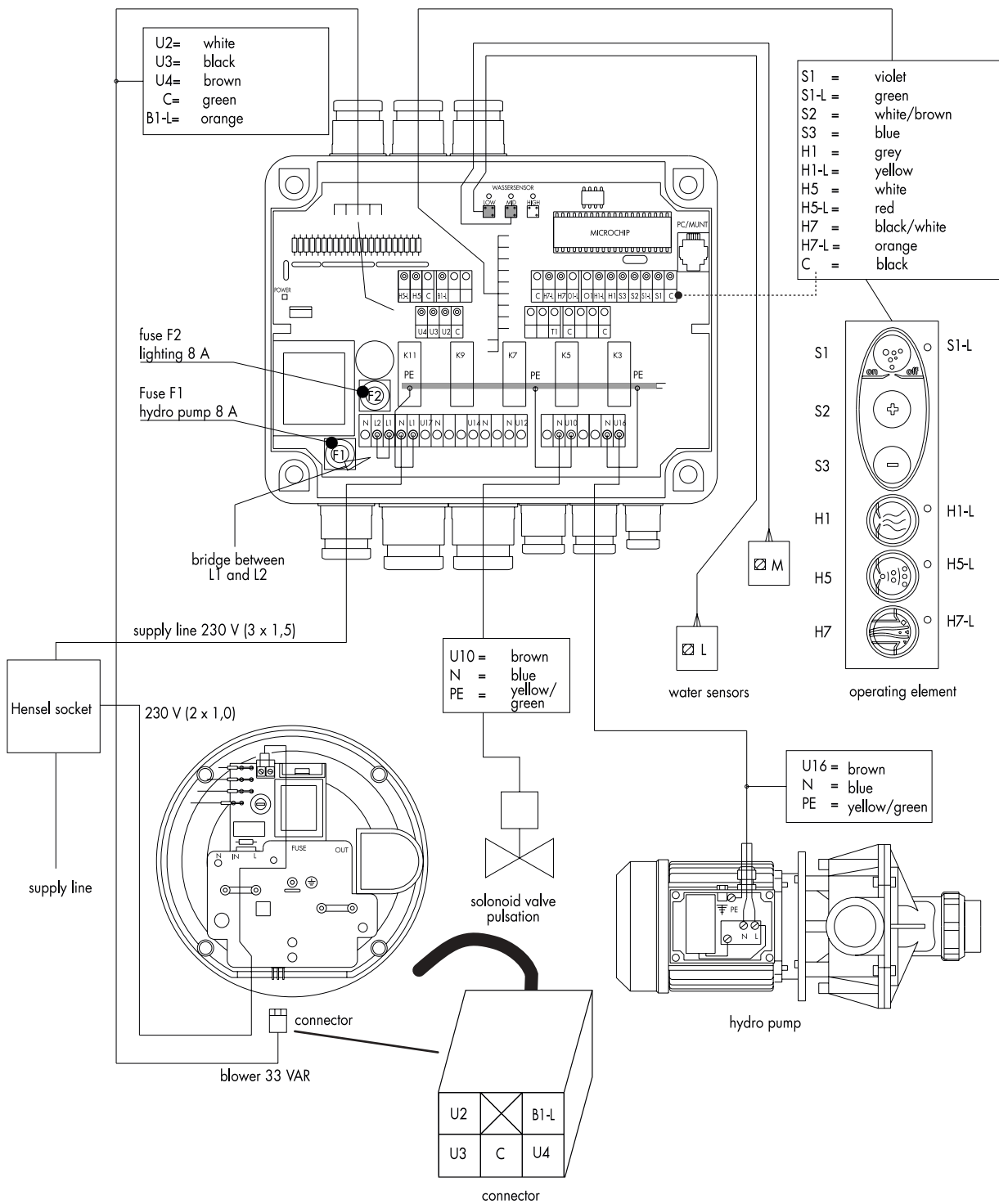


8 Test temperature, set thermostat to 38 °C.

Series 300
Blower and hydraulic pump



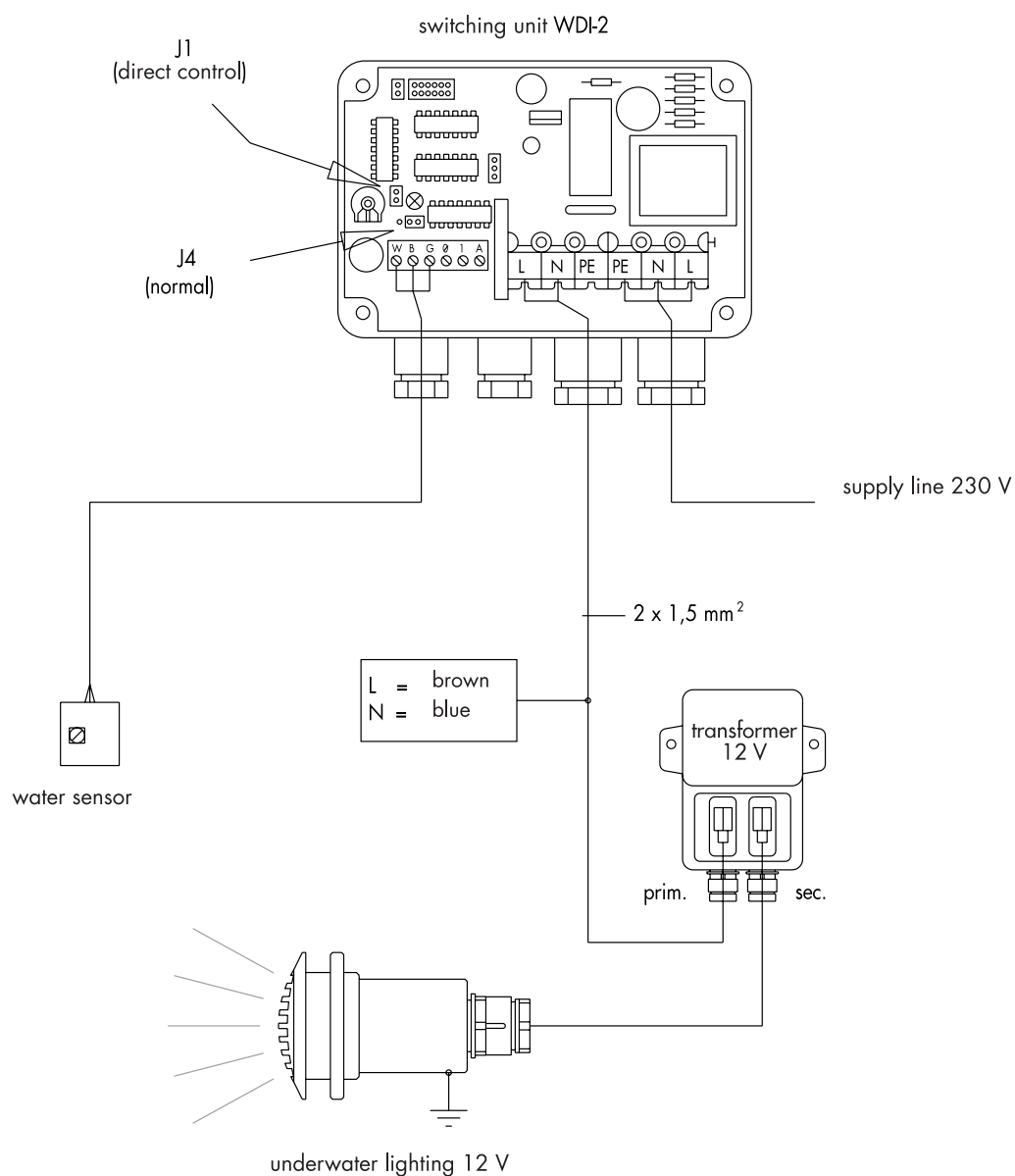
Series 700
Blower, Hydro pump and pulsation



Electrical Wiring Diagrams

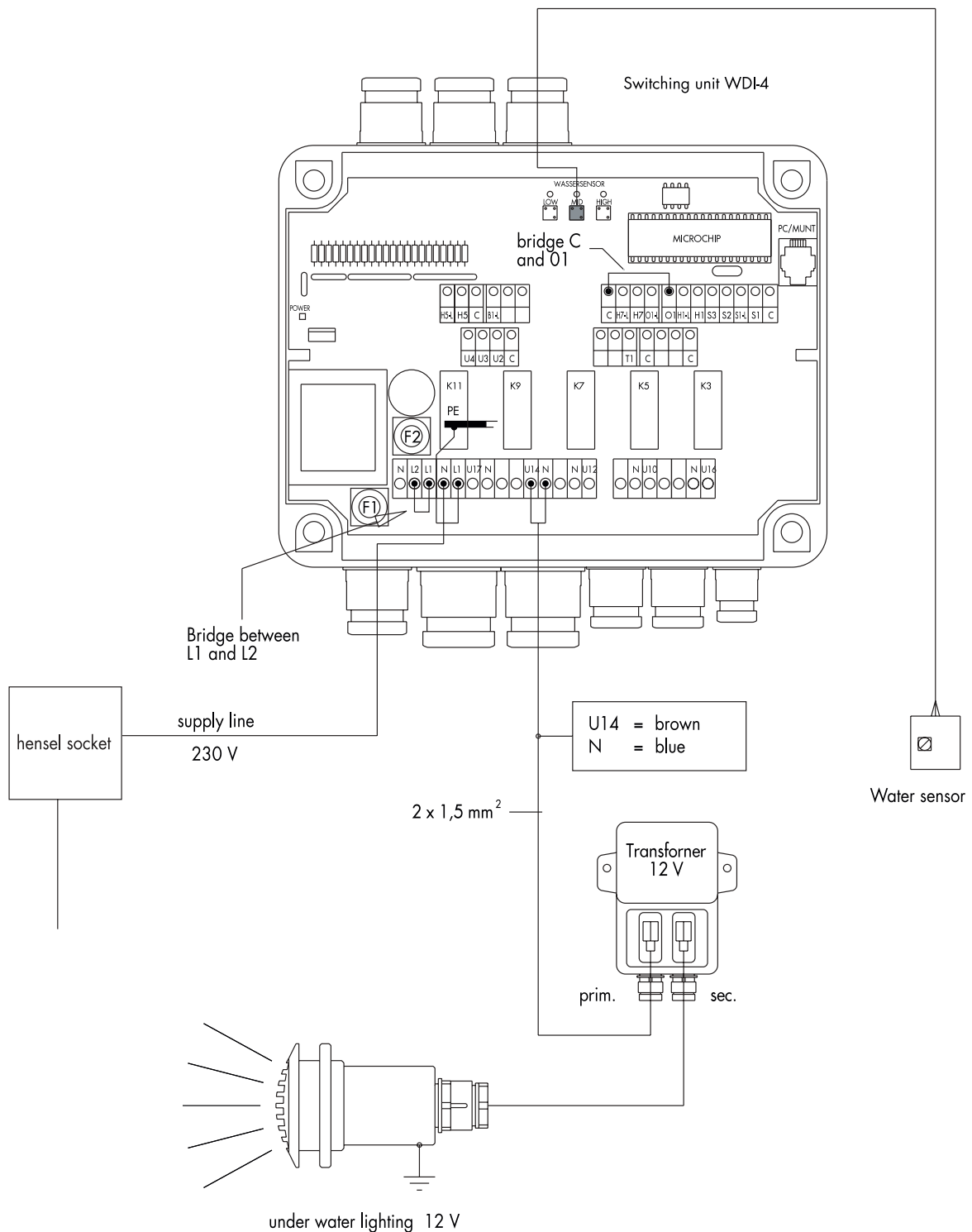
Series 300

Automatic underwater lighting (optional) ON/OFF (automatic via water sensor)

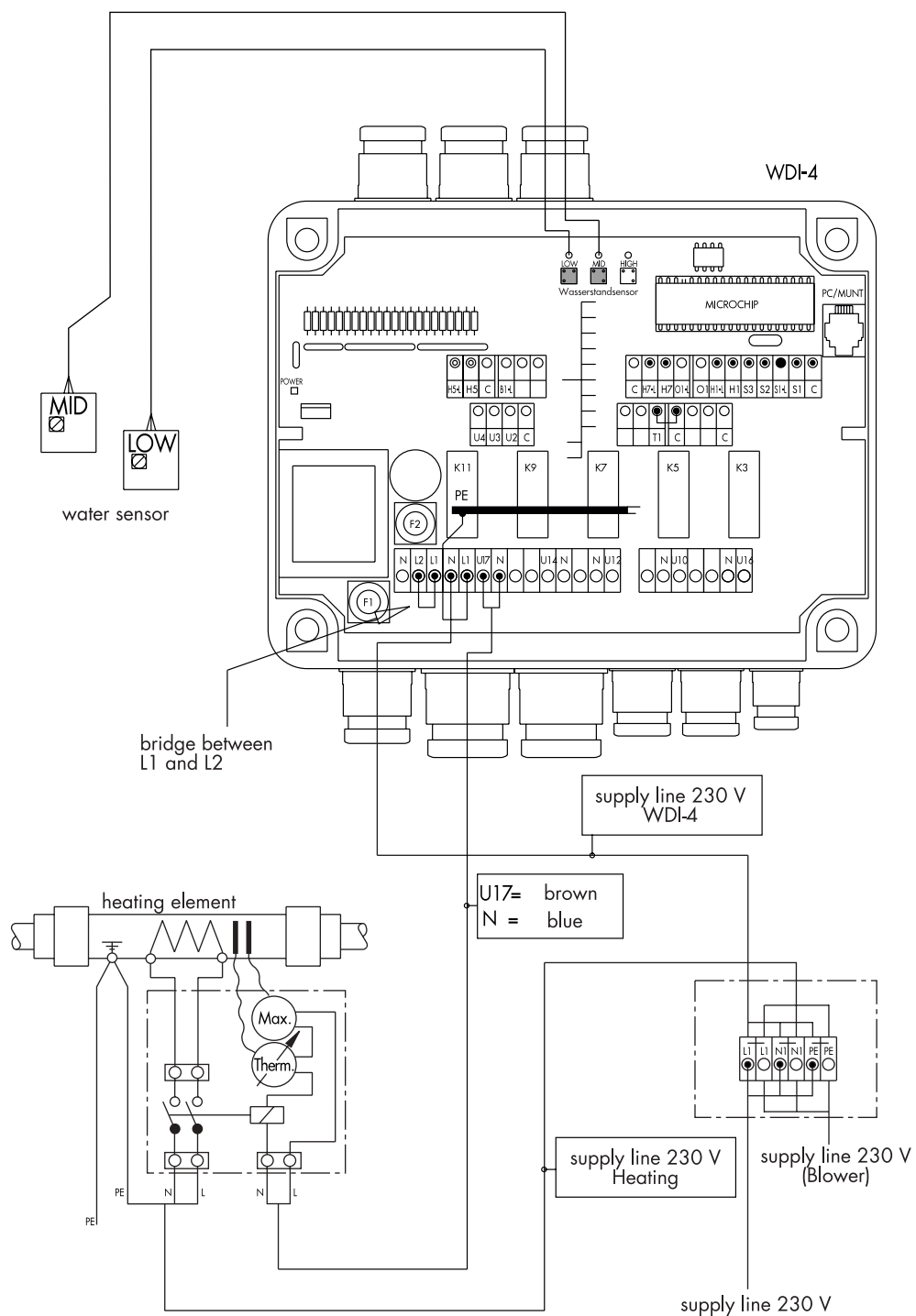


Series 700

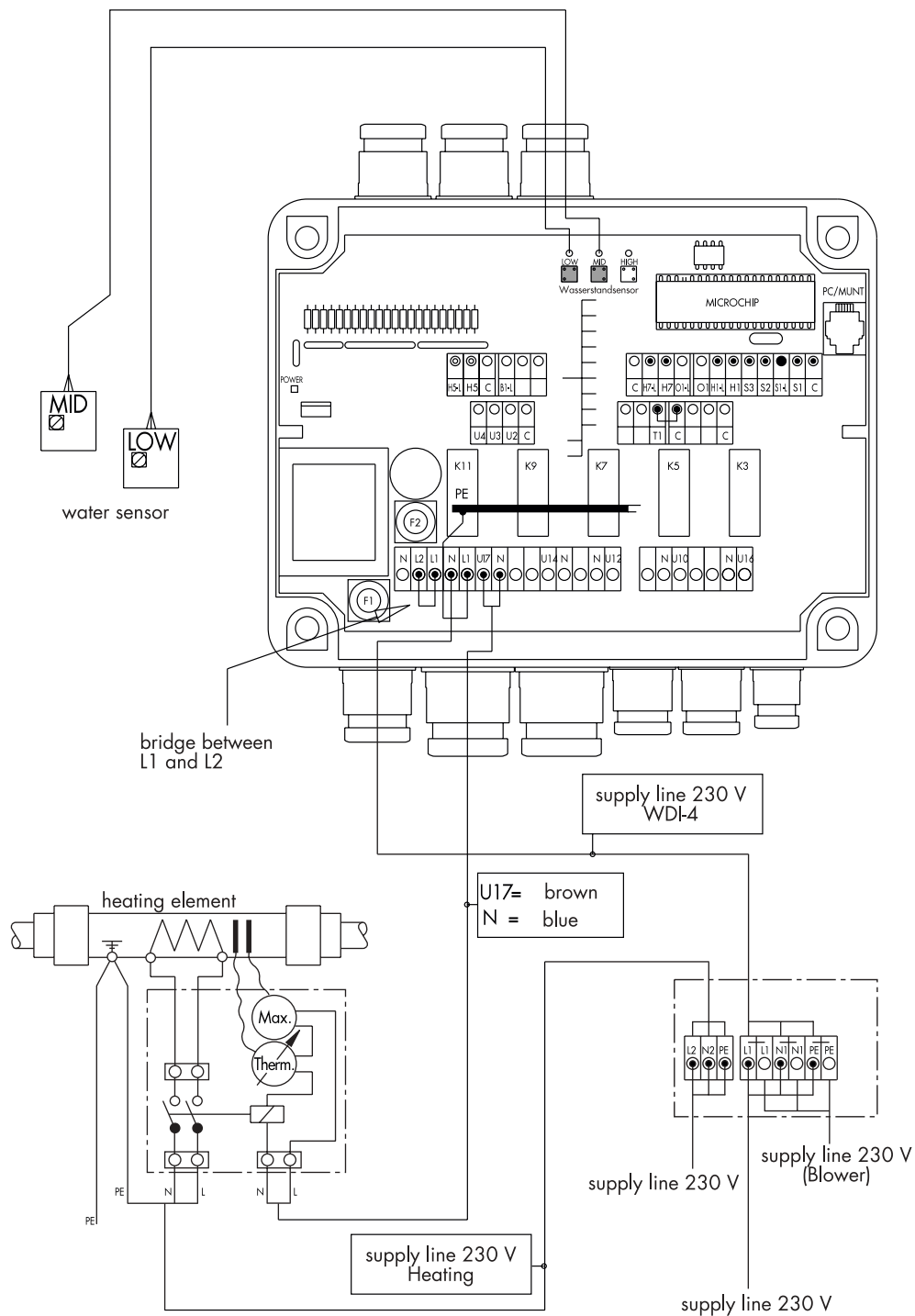
**Automatic underwater lighting (optional)
ON/OFF (automatic via water sensor)**



Series 300
Heating (optional)

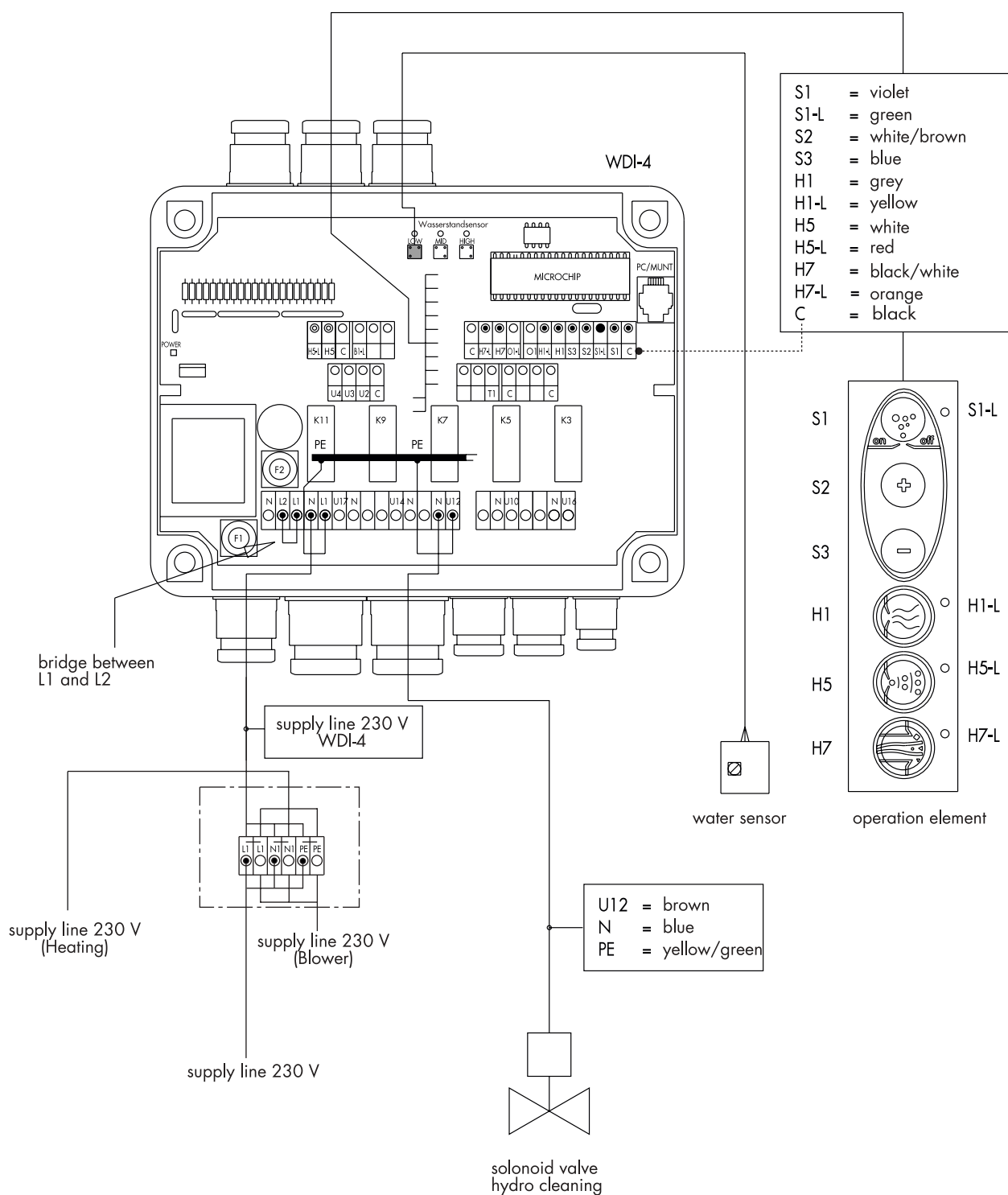


Series 780/790: 2 x 230 V/16 A



Electrical Wiring Diagrams

Series 300/700 Hydro cleaning (optional)



General Information

Wellness starts in the bathroom

Wellness starts in the bathroom. It is obvious, when you feel clean, you feel well. You feel even better when just the contact with the element water becomes a pure pleasure. For example, with the whirlpools from Pharo. The movement of the water stimulates the circulatory system, you feel light and unburdened, muscular pain and tensions disappear in a pleasant manner.

Use

Pharo whirlpools may not be used in public areas. They have been designed exclusively for use inside houses. The water must be drained after every use. Children should never use the bath without supervision.

Please take notice of the following:

Please contact your doctor if you are worried for health reasons.

- Taking a bath after heavy meals is not recommended.
- The water temperature should not be above 40 °C.

Using bath salts, oils, foam, herbs and algae

Using shampoos or bathing foam is **not recommended**. The use of normal quantities of bath salts and bath oils causes no problems whatsoever.

Bath Care Instructions

Surface cleaning

Acrylic products are very easy to clean and service. Hardly any soiling remains on the smooth surface. A soft sponge or soft cloth and some drops of antistatic cleaning agent are recommended for daily cleaning. This restores the gloss of the bath and creates a dirt-repelling effect. Clean strong soiling with liquid domestic cleaners, e.g. dishwasher liquid or soapy water (observe dilution guidelines).

Do not use abrasive cleaners for cleaning!

Calcification

Remove calcification with Hansgrohe fast decalcifying agent order No. 90900.

Rinse with clear water and polish with a cloth.

When using acidic cleaning agents, only use those recommended by Hansgrohe (e.g. Henkel's biff universal bath cleaner or biff Supra bath cleaning concentrate).

Do not use acidic agents or acetic cleaners. Damage caused by improper handling is not covered by our guarantee.

Damage

Surface damage, e.g. minor scratches, can possibly be removed with polishing paste. Burning stains or deep scratches must be carefully ground. Take care not to grind through the acrylic layer.

Whirlpool 300 Operation

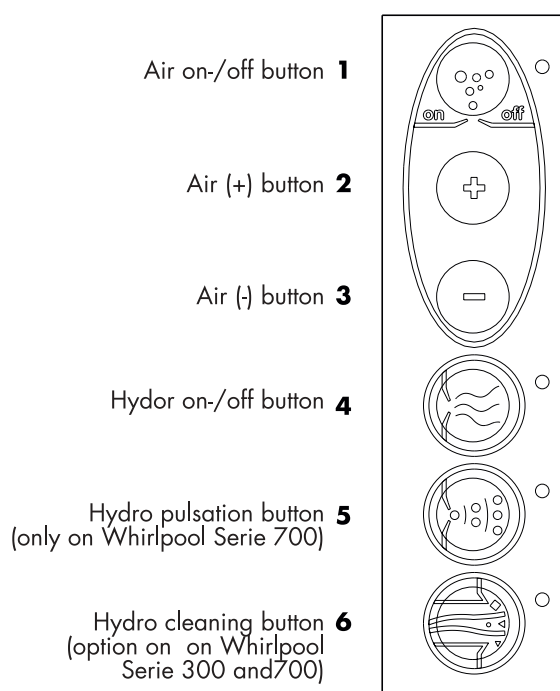


Fig. 1

- Hydro pulsation (button 5) only on Whirlpool Series 700.
- Hydro cleaning (button 6) optional on Whirlpool Series 300 and 700.

Ideally located air and massage nozzles ensure a bubbling bathing pleasure. The pressure of all massage nozzles are identical on the air/hydro whirlpool system. An air controller at the bath rim (air control) serves to feed air to control the intensity of the water jets and thereby ensure a pleasant, direct massage.

Scope of delivery of Series 300 Whirlpools

- Air nozzles with interval function and blower run-on
- Adjustable water nozzles with separate air control (Air control)
- Electronic control element (Pool control)
- Exafill

Operation and Functions for Pool Control Whirlpool Series 300

Exafill

The innovative drain system Exafill supersedes the usual draining method by integrating three functions in one: Exafill is bath inflow, bath drain and bath overflow all in one!

Attention! According to the DVGW (German Association of Gas and Water Specialists) standard, an on-site pipe interrupter must be available when the Exafill is connected. Check water circuits according to local regulations.

The bath inlet function is sealed off at the factory when the bath rim option is not fitted.

Air system

Air (on/off) (button 1, Fig. 1)

The air blower is switched on or off with this button.

When the light by the on/off button is lit, the blower is running. The system is switched off when the button is pressed again.

Air (+) (button 2, Fig. 1)

The air blower speed and therefore the air volume in the bath is increased by pressing and holding this button. Touching the button for a short time increases the air volume in steps.

Air (-) (button 3, Fig. 1)

The air blower speed and therefore the air volume in the bath is decreased by pressing and holding this button. Touching the button for a short time decreases the air volume in steps.

Interval function and blower run-on

Pressing the (+) and (-) buttons (buttons 2 and 3) at the same time activates the interval function. Various water waves are created. An electronic control switches the blower from lowest to highest speed every 10 seconds. The interval function can be switched off again by pressing the on/off button.

The air system also includes a blower run-on function. When the bath is empty, the blower runs on and serves to drain possible residual water under the nozzles. This is performed approx. 10 minutes after switching the system off with the on/off button (button 1, Fig. 1). The blower run-out is active for approx. 10 seconds. The system switches off automatically afterwards.

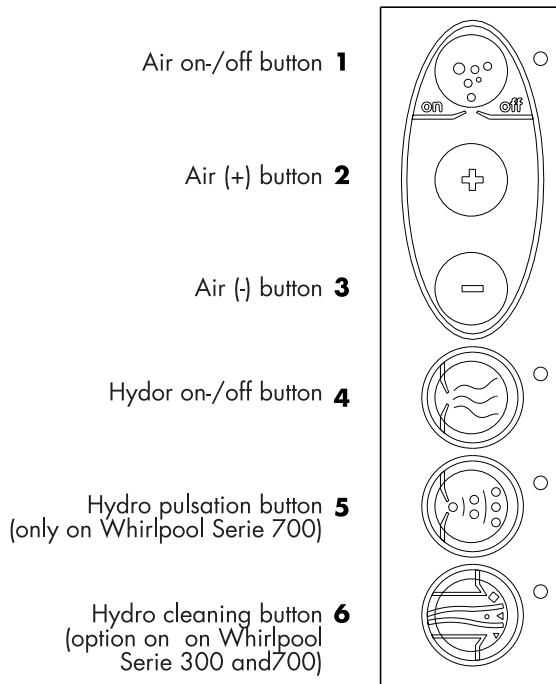


Fig. 1

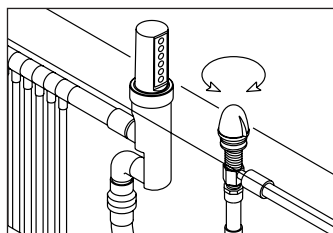


Fig. 2

Hydro system

Hydro on/off (button 4, Fig. 1)

The Hydro system is switched on by pressing this button. A light by the button turns on. Water is sucked from the bath near the drain area and pumped into the bath again via the side nozzles. The system is switched off when the Hydro button is pressed again.

Attention: The system only operates when the water level in the bath is at least 5 cm above the water top nozzles. A sensor controls the water level.

Air control (Fig. 2)

The air control allows continuous adjustment of the air volume added to the Hydro system:

- Turning to the left increases the air inlet to the Hydro system and thus increases the intensity of the Hydro nozzles.
- Turning to the right reduces the air volume supplied to the Hydro system and thus decreases the intensity of the Hydro nozzles.

Disinfecting the Hydro System

It is recommended to rinse the Hydro system with diluted chlorine bleaching every 1 to 2 months or after the whirlpool has not been used for a longer period of time.

Procedure:

1. Fill the bath to above the water nozzles and add approx. 15 ml chlorine bleaching agent in the middle of the bath. Never use more than 10 ml in 100 litre water. Observe the manufacturer's instructions on use.
2. Switch on the Hydro pump and allow it to run for 5 minutes.
3. Leave the water in the bath for 5 minutes.
4. Activate the pump again for approx. 2 minutes.
5. Drain the bath.
6. Fill the bath again and switch the pump on for 2 minutes.
7. Drain the water.

Repeat this process if necessary. Make sure the room is well ventilated.

Whirlpool 700 Operation

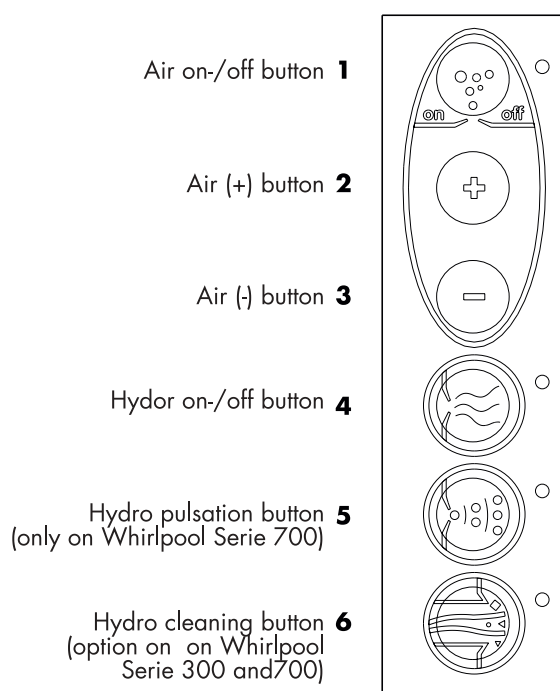


Fig. 1

Ideally located air and massage nozzles ensure a bubbling bathing pleasure. The pressure of all massage nozzles is identical on the air/hydro whirlpool system. An air controller at the bath rim (multi air control) serves to feed air to control the intensity of the water jets and thereby ensure a pleasant, direct massage.

Scope of delivery of Series 700 Whirlpools

- Air nozzles with interval function and blower run-on
- Adjustable water nozzles with MultiAirControl to regulate jet intensity and air supply between Hydro back and foot nozzles and body showers
- Exafill

Operation and Functions for Pool Control Whirlpool Series 700

Exafill

The innovative drain system Exafill supersedes the usual draining method by integrating three functions in one: Exafill is bath inflow, bath drain and bath overflow all in one!

Attention! According to the DVGW (German Association of Gas and Water Specialists) standard, an on-site pipe interrupter must be available when the Exafill is connected. Check water circuits according to local regulations.

The bath inlet function is sealed off at the factory when the bath rim option is not fitted.

Air system

Air (on/off) (button 1, Fig. 1)

The air blower is switched on or off with this button.

When the light by the on/off button is lit, the blower is running. The system is switched off when the button is pressed again.

Air (+) (button 2, Fig. 1)

The air blower speed and therefore the air volume in the bath is increased by pressing and holding this button. Touching the button for a short time increases the air volume in steps.

Air (-) (button 3, Fig. 1)

The air blower speed and therefore the air volume in the bath is decreased by pressing and holding this button. Touching the button for a short time decreases the air volume in steps.

Interval function and blower run-on

Pressing the (+) and (-) buttons (buttons 2 and 3) at the same time activates the interval function. Various water waves are created. An electronic control switches the blower from lowest to highest speed every 10 seconds. The interval function can be switched off again by pressing the on/off button.

The air system also includes a blower run-on function. When the bath is empty, the blower run-on serves to drain possible residual water under the nozzles. This is performed approx. 10 minutes after switching the system off with the on/off button (button 1, Fig. 1). The blower run-out is active for approx. 10 seconds. The system switches off automatically afterwards.

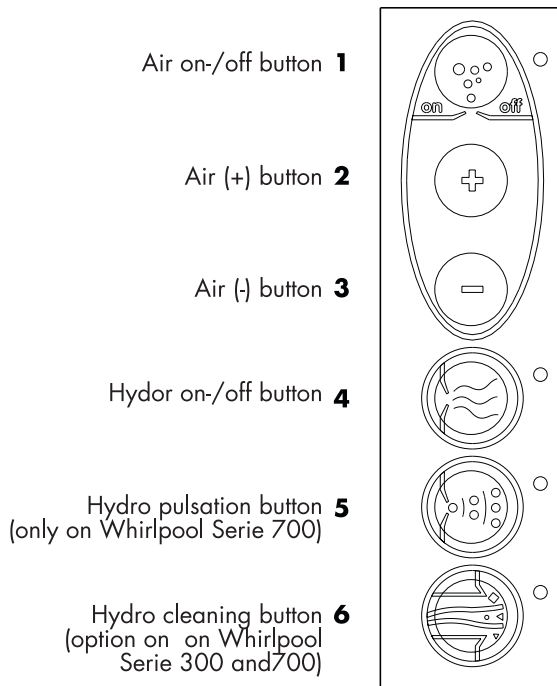


Fig. 1

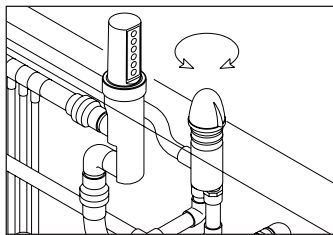


Fig. 2

Hydro system

Hydro on/off (button 4, Fig. 1)

The Hydro system is switched on by pressing this button. A light by the button turns on. Water is sucked from the bath near the drain area and pumped into the bath again via the side nozzles. The system is switched off when the Hydro button is pressed again.

Attention: The system only operates when the water level in the bath is at least 5 cm above the water nozzles. A sensor controls the water level.

MultiAirControl (Fig. 2)

The MultiAirControl fulfils three functions in one when the air system is activated (button 1, Fig. 1):

1. Air control to regulate the air volume added to the Hydro system. This function allows continuous adjustment of jet intensity.
2. The intensity of the Hydro back and foot nozzles can be regulated independent of the body nozzles.
3. Switching the air system on in combination with the Hydro system activates the Superwhirl. This pushes extra air through the Hydro nozzles. Pressing the Air (+) button increases the air flow again

Hydro pulsation (button 5, Fig. 1)

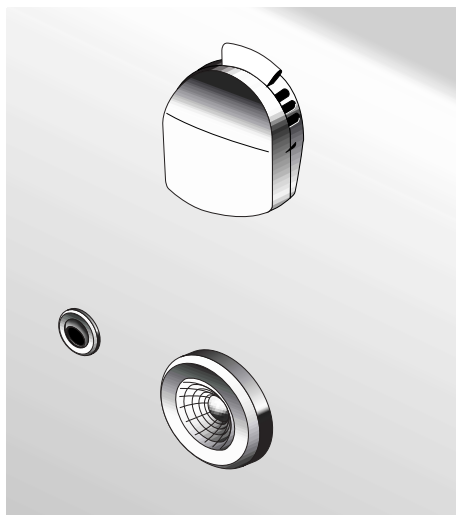
Pressing the Hydro pulsation button switches the Hydro pulsation on. Prerequisite for Hydro pulsation activation: Air control fully or partially open. Hydro pulsation adds air to the water in regular intervals. This automatically changes the intensity of the water jet. The Superwhirl effect can be felt. Pressing the button again switches pulsation off.

Disinfecting the hydro system

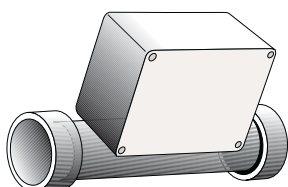
After each use or if the pool has not be used for an extended period of time, you must disinfect the hydro system. You can use used bath water for the disinfecting process.

- Use sodium hypochloride solution (12%) as a disinfectant (available at the pharmacy). The dosing of the sodium hypochloride is 25 ml for every 100 l of water.
- Add the disinfectant to the used bath water.
- You may fill the tub to the overflow level.
- Turn on the jets (whirl system) for approx. 1 to 2 minutes; now the disinfectant will distribute.
- Let the disinfectant soak for about 30 minutes.

- Turn on the jets for another 2 minutes.
- Drain the water.
- Rinse and clean the tub, the panels and the accessories using the hand shower.
- Ventilate the room generously.



Underwater lighting



bath heater

Options for Whirlpool Series 300/700:

- Underwater lighting
- Hydro bath heating 1.5 kW (3 kW for Whirlpool Series 780/790)
- Hydro cleaning
- Bath rim thermostat (bath rim thermostat, hand shower, Exafill, shut-off and switch-over)
- Grabrails

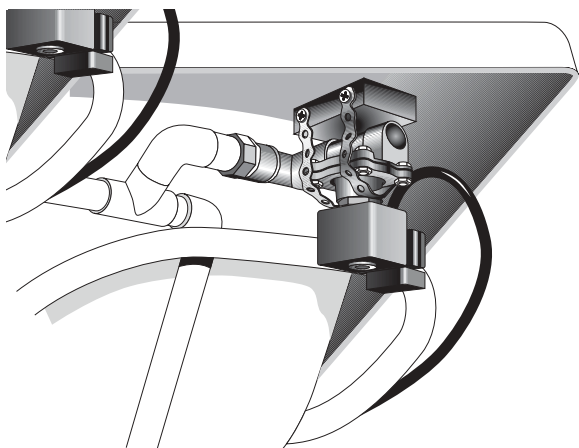
Underwater lighting

The underwater halogen lamp in attractive design creates a very special bathing atmosphere. The 12V underwater lighting is automatically controlled by a water level sensor. The lamp is automatically switched on when the specified water level is reached and switched off when the water is below this level.

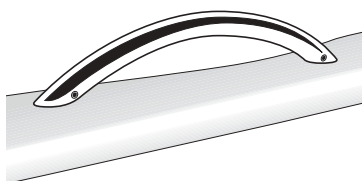
When the lighting is defective, loosen the chrome ring and replace the bulb.

Hydro bath heating

The water in the bath cools down slowly due to the good insulation of sanitary acrylic material and retains its optimum temperature with the Hydro bath heating. The Hydro heating system is automatically switched on (initiated by pressure control and sensor) with an adequate water level and the Hydro pump activated. This control ensures that the heating is not switched on when the water level is too low. The heating element is thermally protected. A temperature of 40 °C is pre-set. The heating rating is 1.5 kW or 3 kW on models 780 and 790.



Hydro cleaning



Grips

Hydro cleaning

The built-in water nozzles connected to the water supply are flushed with fresh water after the whirl bath. Activating the Hydro cleaning button (button 6, Fig. 1) after a bath flushes the Hydro circuit through with cold water (empty bath first).

A LED in the button signal Hydro cleaning operation. Cleaning takes approx. 5 minutes when the bath is completely empty.

Attention: Hydro cleaning needs an **additional 1/2" water connection** (cold water) with subsequent check valve.

Grips

The practical grabrails make getting in and out easier.

Bath rim thermostat

The bath rim thermostat option comprises the bath rim thermostat, hand shower, Exafill bath inflow, drain and overflow. The shut-off and diverter control the water supply via hand shower or Exafill. The thermostat determines the exact water temperature and is fitted with a check valve.

Check valves are located in the connection angle for cold and warm water supply under the bath.

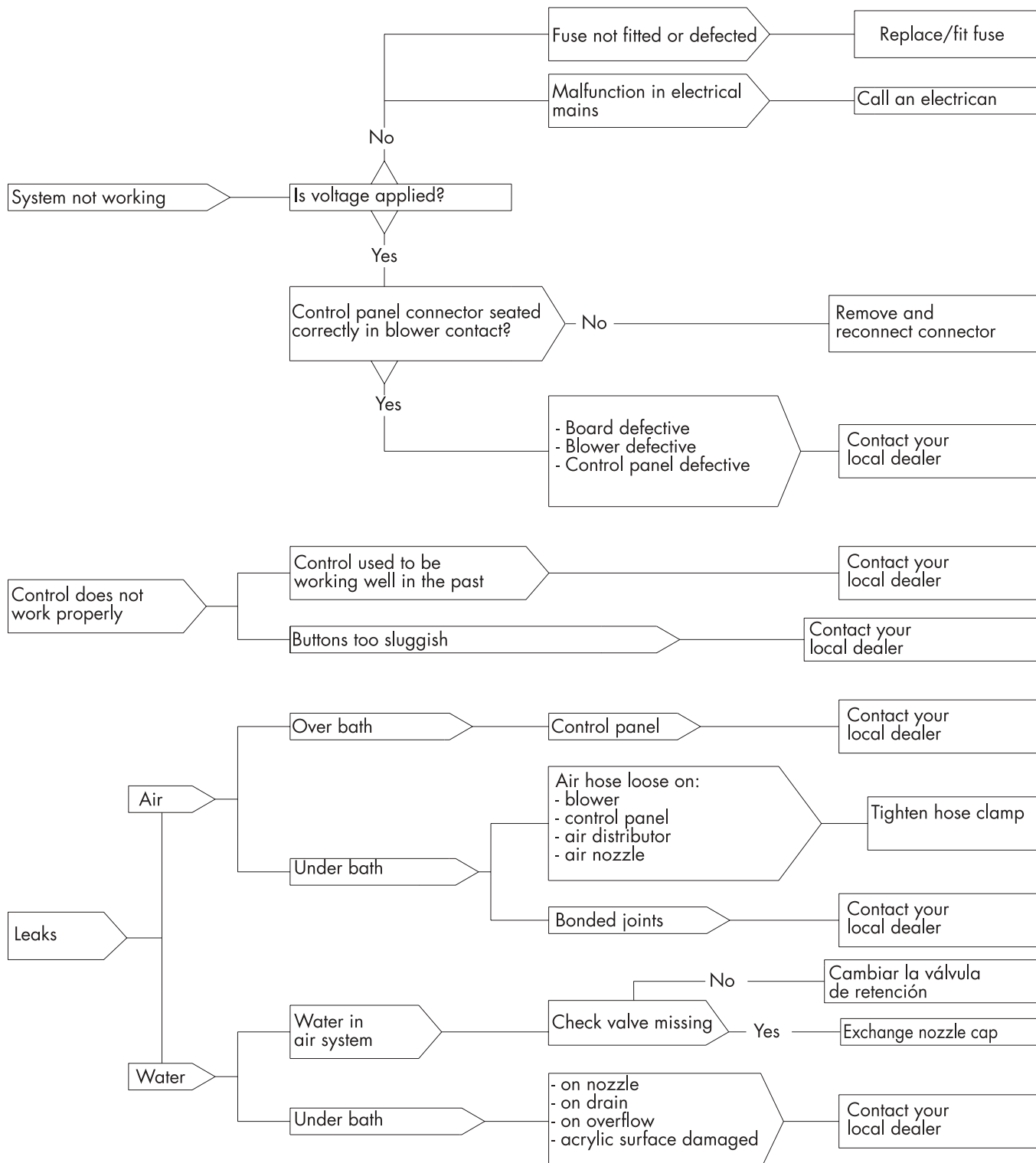
The shower hose is protected by a Secuflex hose.

Air System Troubleshooting

MESSAGE

CAUSE

CLEARANCE

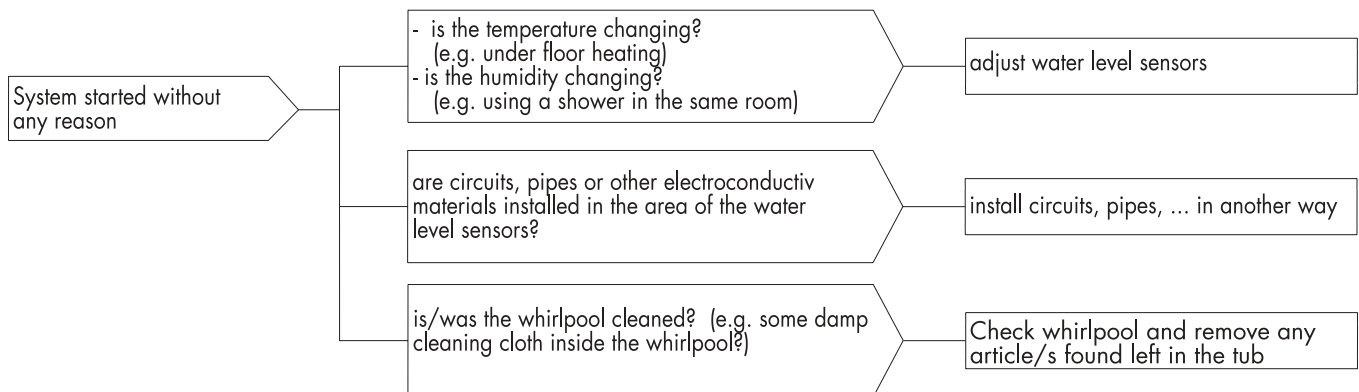


Automatic System Starting Troubleshooting

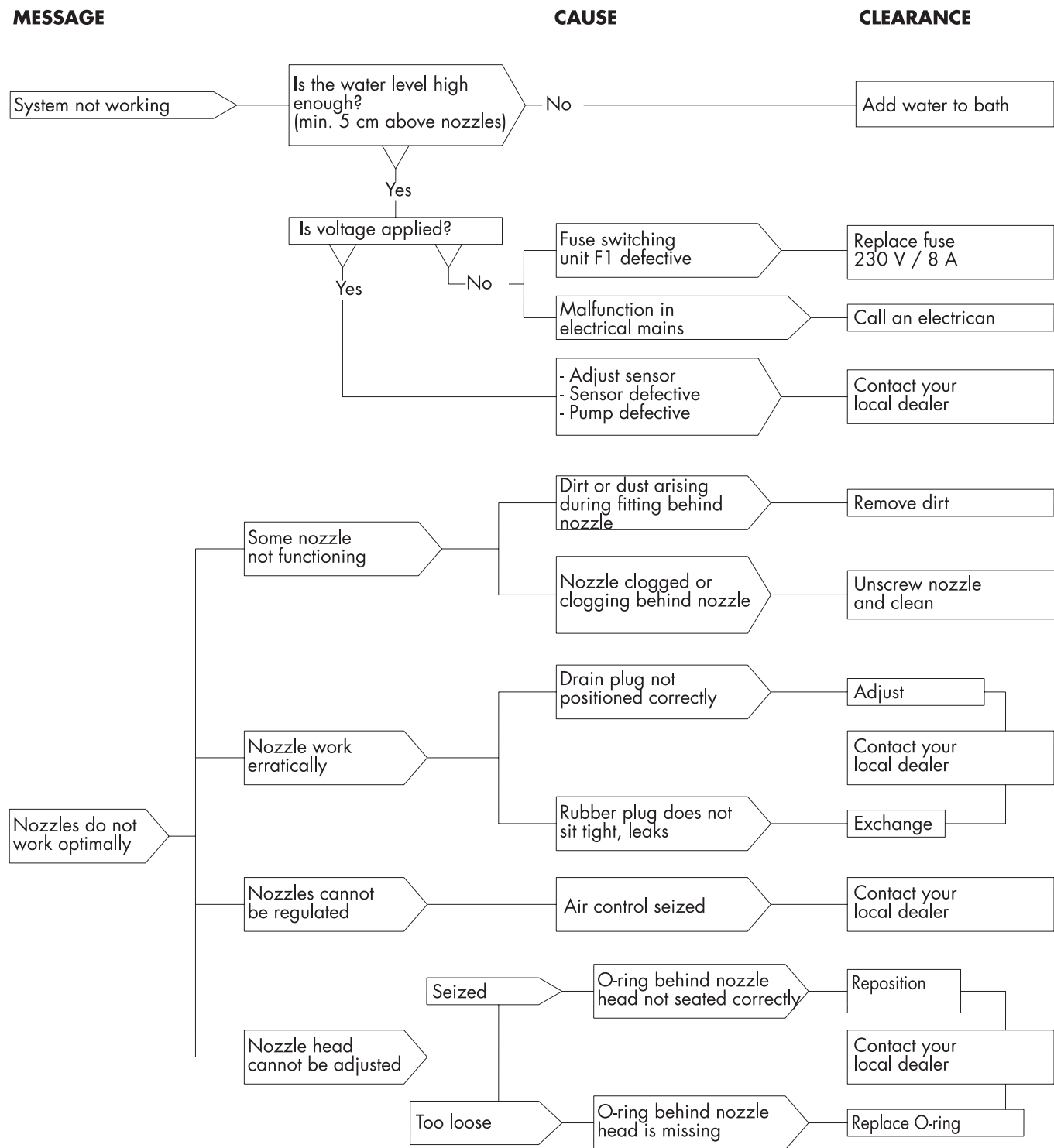
MESSAGE

CAUSE

CLEARANCE



Hydro System Troubleshooting

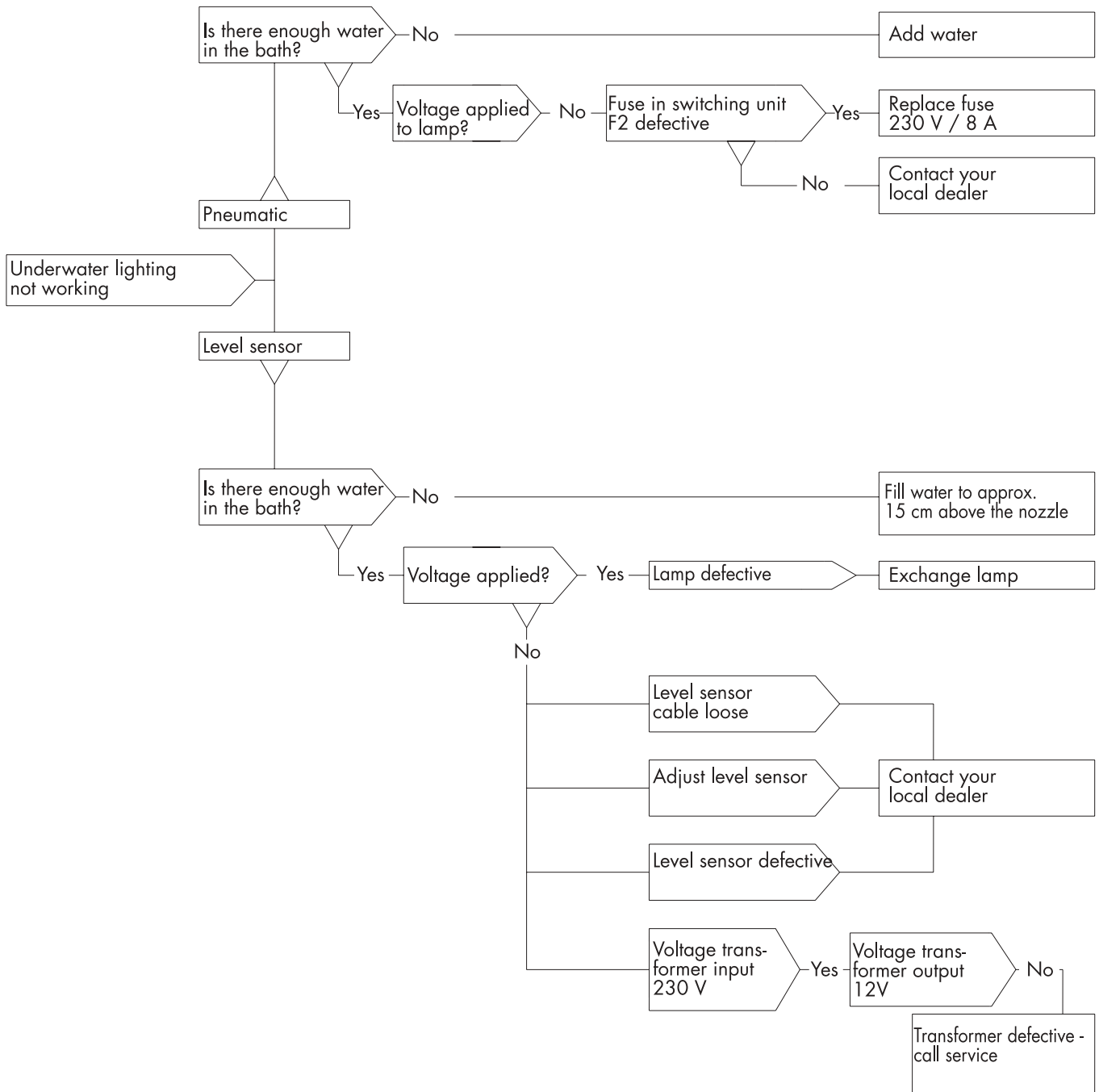


Underwater Lighting Troubleshooting

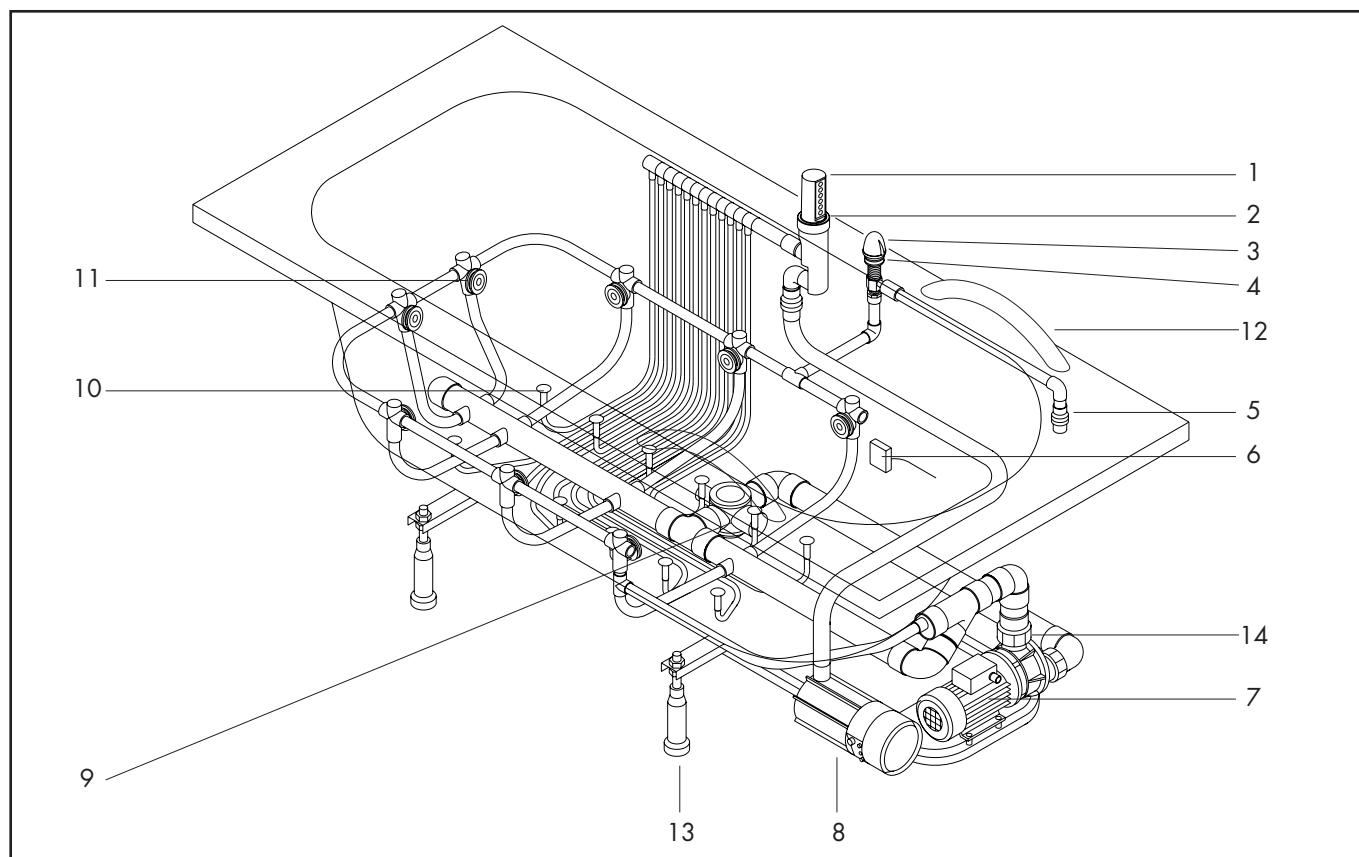
MESSAGE

CAUSE

CLEARANCE



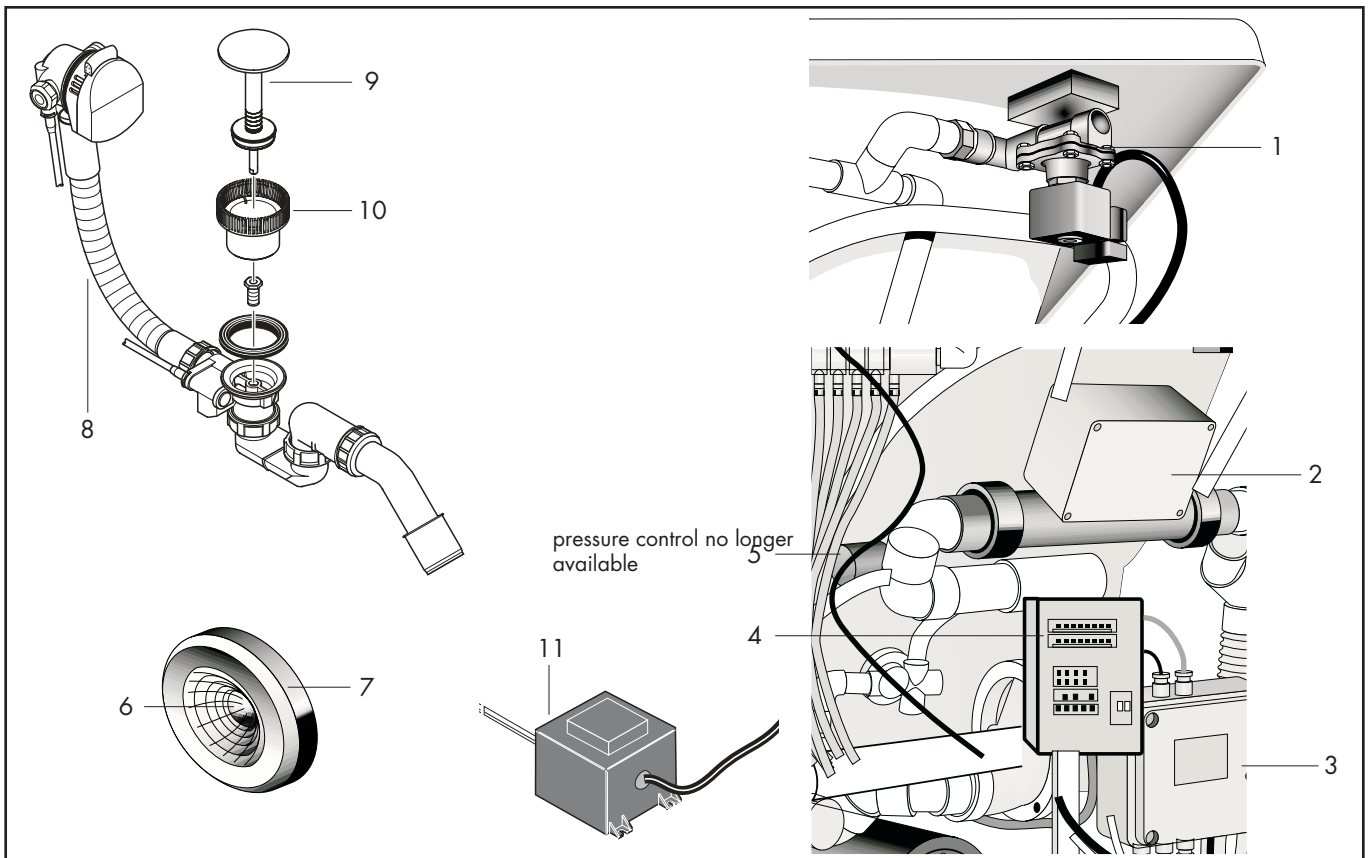
Whirlpool 300 Spare Parts



Pos.	Description	No.	VE
1	Poolcontrol cpl.	21820XXX	1
	cable with plug (11 leads)	21821000	1
	cable with 2 plugs (7 leads)	96669000	1
2	escutcheon	21822XXX	1
3	handle	36991XXX	1
4	shut off unit, Elastop	94149000	1
5	escutcheon Ø 53 mm	94115XXX	1
6	non return valve DW 15	21831000	1
7	water level sensor	21813000	1
8	hydro pump	21802000	1
	capacitor for hydro pump	96698000	1
9	blower cpl.	21814000	1
	cable with plug (5 leads)	21815000	1
	blower cpl. with control WDI 1	21834000	1
	control WDI 1	96705000	1
10	cross fitting cpl.	96389000	1
11	air jet	21829000	1
	air jet trim kit	21816XXX	1
12	hydro jet service set	21803000	1
	hydro jet trim kit	21804XXX	1
	hydro jet installation tool	21805000	1
	flushing tool for hydro jets	96699000	1
13	grab bar	21940XXX	1
14	shower tray feet	21832000	1
15	sleeve nut	96696000	1
	waste for seat	96931XXX	1

XXX = Colors

000 chrome plated
 090 chrome plated/gold plated
 810 satinox
 880 satin chrome

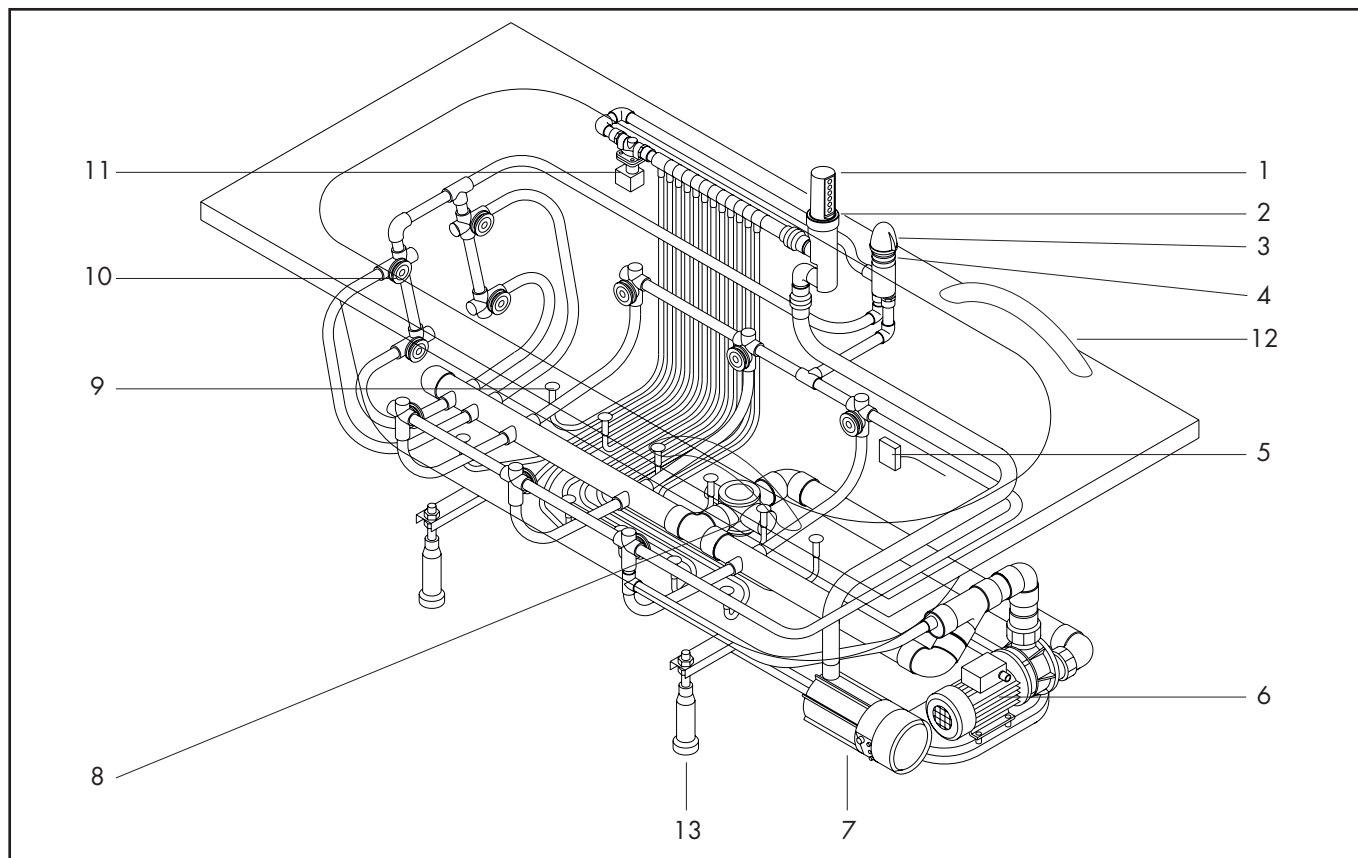


Pos.	Description	No.	VE
1	solenoid valve for hydro cleaning	96703000	1
	solenoid valve membrane for hydro cleaning	21806000	1
	solenoid coil for hydro cleaning 230 V 60 Hz 10 W No. 18650	21807000	1
2	reheater 1,5 kW	21905000	1
	reheater 3,0 kW	21810000	1
3	switch box cpl. WDI 2	21824000	1
	switch box cpl. WDI 4	21833000	1
4	relay box for reheater	21811000	1
5	pressure control	21812000	1
6	spare bulb 12 V / 50 W	21817000	1
	spare bulb 12 V / 20 W	96895000	1
7	escutcheon Ø 85 mm	21818XXX	1
	escutcheon Ø 60 mm	96795XXX	1
8	bent outlet	21825000	1
9	plug	21826000	1
10	hair guard tray	21827XXX	1
11	transformer f. illumination until 10/02	21819000	1
	transformer f. illumination from 11/02	96896000	1
	hose clamp Ø 43 mm	96700000	5
	hydro hose Ø 43 mm	96701000	1
	hydro hose Ø 24 mm	96702000	1
	polish-set for bathtub	21800000	1
	service set for bathtub	21801XXX	1

XXX = Colors

000 chrome plated
090 chrome plated/gold plated
810 satinox
880 satin chrome

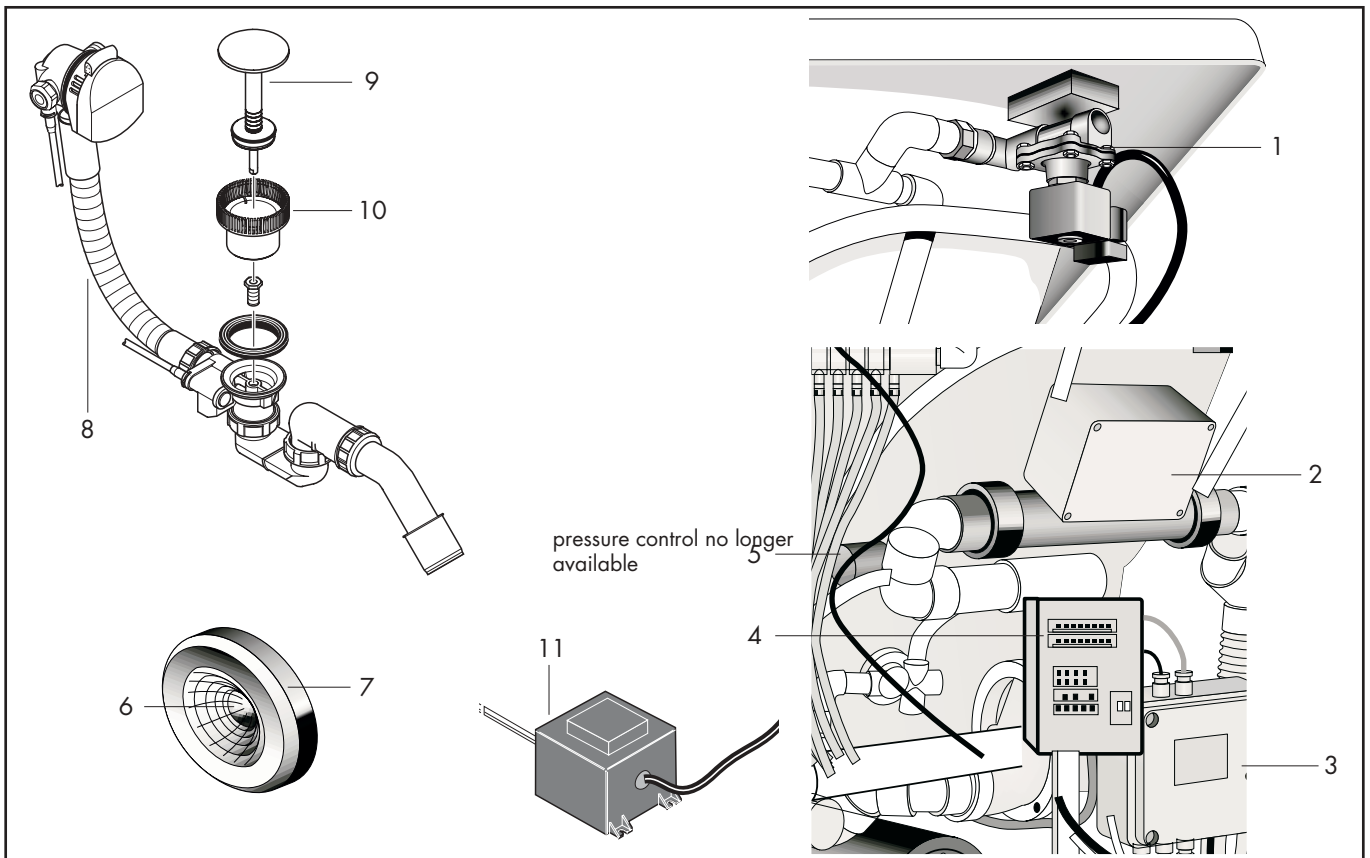
Whirlpool 700 Spare Parts



Pos.	Description	No.	VE
1	Poolcontrol kpl.	21820XXX	1
	Kabel mit Stecker (11 Adern)	21821000	1
2	Rosette	21822XXX	1
3	Griff "Quattro"	36993XXX	1
	Einsatz kpl.	96604000	1
4	Rosette	21828XXX	1
5	Wasserstandsensor	21813000	1
6	Hydropumpe	21802000	1
	Kondensator für Hydropumpe	96698000	1
7	blower kpl.	21814000	1
	electronics for blower	96697000	1
	cable with plug (5 leads)	21815000	1
8	cross fitting cpl.	96389000	1
9	air jet	21829000	1
	air jet trim kit	21816XXX	1
10	hydro jet service set	21803000	1
	hydro jet trim kit	21804XXX	1
	hydro jet installation tool	21805000	1
	flushing tool for hydro jets	96699000	1
11	solenoid valve for nested intervals	96704000	1
	solenoid coil for hydro cleaning	21808000	1
	230 V 60 Hz 10 W Nr. 18522		
	solenoid valve membrane for nested intervals	21830000	1
12	grab bar	21940XXX	1
13	shower tray feet	21832000	1

XXX = Colors

000 chrome plated
 090 chrome plated/gold plated
 810 satinox
 880 satin chrome



Pos.	Description	No.	VE
1	solenoid valve for hydro cleaning	96703000	1
	solenoid valve membrane for hydro cleaning	21806000	1
	solenoid coil for hydro cleaning 230 V 60 Hz 10 W No. 18650	21807000	1
2	reheater 1,5 kW	21905000	1
	reheater 3,0 kW	21810000	1
3	switch box cpl. WDI 4	21833000	1
4	relay box for reheater	21811000	1
5	pressure control	21812000	1
6	spare bulb 12 V / 50 W	21817000	1
	spare bulb 12 V / 20 W	96895000	1
7	escutcheon Ø 85 mm	21818XXX	1
	escutcheon Ø 60 mm	96795XXX	1
8	bent outlet	21825000	1
9	plug	21826000	1
10	hair guard tray	21827XXX	1
11	transformer f. illumination until 10/02	21819000	1
	transformer f. illumination from 11/02	96896000	1
	hose clamp Ø 43 mm	96700000	5
	hydro hose Ø 43 mm	96701000	1
	hydro hose Ø 24 mm	96702000	1
	polish-set for bathtub	21800000	1
	service set for bathtub	21801XXX	1

XXX = Colors

000 chrome plated
090 chrome plated/gold plated
810 satinox
880 satin chrome

A

Hansgrohe
Postfach 85
2355 Wr. Neudorf
Telefon: 0 22 36 / 6 28 30
Telefax: 0 22 36 / 62 83 019

B

Hansgrohe
Rue Vanderschrick Straat 91
1060 Bruxelles/Brussel
Téléphone: 02 / 5 43 01 40
Telefax: 02 / 5 37 94 86

L**CH**

Hansgrohe
Industriestr. 9
5432 Neuenhof
Telefon: 056/416 26 26
Telefax: 056/416 26 27

CZ**SK**

Hansgrohe
Moravská 85
CZ-619 00 Brno
Telefon: +420/547 212 334
Telefax: +420/547 212 521

D

Hansgrohe
D-77757
Schiltach / Schwarzwald
Telefon: 0 78 36 / 51-0
Telefax: 0 78 36 / 51 13 00

DK**N**

Hansgrohe
Jegstrupvej 6
8361 Hasselager
Telefon: 86 28 74 00
Telefax: 86 28 74 01

E

Hansgrohe
Riera Can Pahissa 26 B
08750 Molins de Rei
Telefon: 93 680 39 00
Telefax: 93 680 39 09

EE

OÜ Dreesis
Laki 16-407
10621 Tallinn
Estonia
Tel.: 00372 61 29 811
Fax: 00372 65 63 310

F

Hansgrohe
6/8 rue Henri-Poincaré Z. A.
92167 Antony Cedex
Téléphone: 01 40 96 40 00
Télécopie: 01 46 66 49 89

FIN

Hansgrohe
Juhani Niemi Oy
Mäntytie 11
00270 Helsinki
Puh: (09) 47 77 030
Telefax: (09) 24 17 554

GR

Nikitas Vlachos
Niveco SA
Posidonos Ave 46
17561 P. Faliro
Telefon: (01) 9880180
Telefax: (01) 9883847

H

Hansgrohe Kft.
Forgách utca 11-13
1139 Budapest
Telefon: 0036 /1 236 9090
Telefax: 0036 /1 236 9098

HR**BiH****YU**

Hansgrohe
Omega Nova-Sibenik D.O.O.
K.Zvonimira BB
22000 Sibenik
Telefon: 00 385/(0)22/310 450
Telefax: 00 385/(0)22/330 221

I

Pharo Italia
Glass Idromassaggio s.r.l.
Via Baite 12/E
31046 Oderzo (TV)
Telefono: +39-0422-7146
Telefax: +39-0422-816839

LT

Santoza
Pašilaičių 1-28
LT-06115 Vilnius
Tel.: +37(0) 5 2407666
Fax: +37(0) 5 2407666

NL

Hansgrohe
Pieter Goedkoopweg 44
2031 EL Haarlem
Telefoon: 0 23 - 5319114
Telefax: 0 23 - 5320710

P

José Ricardo Botas SA
R. Antoine de Saint-Exupéry
Alapraia
2765-043 Estoril
Telephone: 21 466 71 10
Telefax: 21 466 71 19

PL

Hansgrohe
Ul. Sowia 12
PL-62-080 Tarnowo Podgórze
Telefon: (061) 8168600
Telefax: (061) 8168609

PRC

上海市松江工业区俞塘路512号
天威工业城底层
邮编: 201600
电话: 0086-21-57741239
传真: 0086-21-57741233

RO

Representative Office
Apsa Sasori
Bd.O.Goga nr.4(106),bl M26,sc.3,ap.68
7000 Bucuresti
Romania
Tel./Fax: (0040) 0 21 326 10 01

RUS

Hansgrohe
Усачева 33/1
119048 Россия Москва
Tel.: 095 / 9333170
Fax: 095 / 9333171

S

Hansgrohe
Almviksvägen 41
23044 Bunkflostrand
Telefon: +46/(0)40/51 91 50
Telefon: +46/(0)40/13 05 92

SGP

Hans Grohe Pte Ltd
60B Martin Road
#11-03/04 Trade Mart Singapore
SINGAPORE 239067
Tel.: 0065-7322002
Fax: 0065-7320030

SI

Representative Office Hansgrohe
Riharjeva 2
1000 Ljubljana
Slovenia
Tel.:00386 1 429 23 32
Fax:00386 1 429 23 33

TR

Dizayn Ev Gerecleri
San. ve Tic. Ltd. Sti.
Ortaklar Cad. No. 1
Mecidiyekoye-Istanbul 80290
Tel.: 0090-212-266 50 80
Fax: 0090-212-275 75 12

UA

Hansgrohe
Ukrainian office
Vasilkovskaya St., 1, office 301
03040 Kiev
Ukraine
Tel./Fax: 0038 (044) 56 85 012

UK

Hansgrohe
Units D1 & D2 Sandown Park
Trading Estate Royal Mills
Esher Surrey KT10 8BL
Telephone: 0 13 72 46 56 55
Telefax: 0 13 72 47 06 70

USA

Hansgrohe
1490 Bluegrass Lakes Parkway
Alpharetta, GA 30004/USA
Tel.: 770-360-9880
Fax: 770-360-9887

hansgrohe

AXOR | PHARO

Hansgrohe · Postfach 1145 · D-77761 Schiltach · Telefon +49 (0) 78 36/51-1282 · Telefax +49 (0) 7836/511440
E-Mail: info@hansgrohe.com · Internet: www.hansgrohe.com